

PRIOR ART

FIG. 1

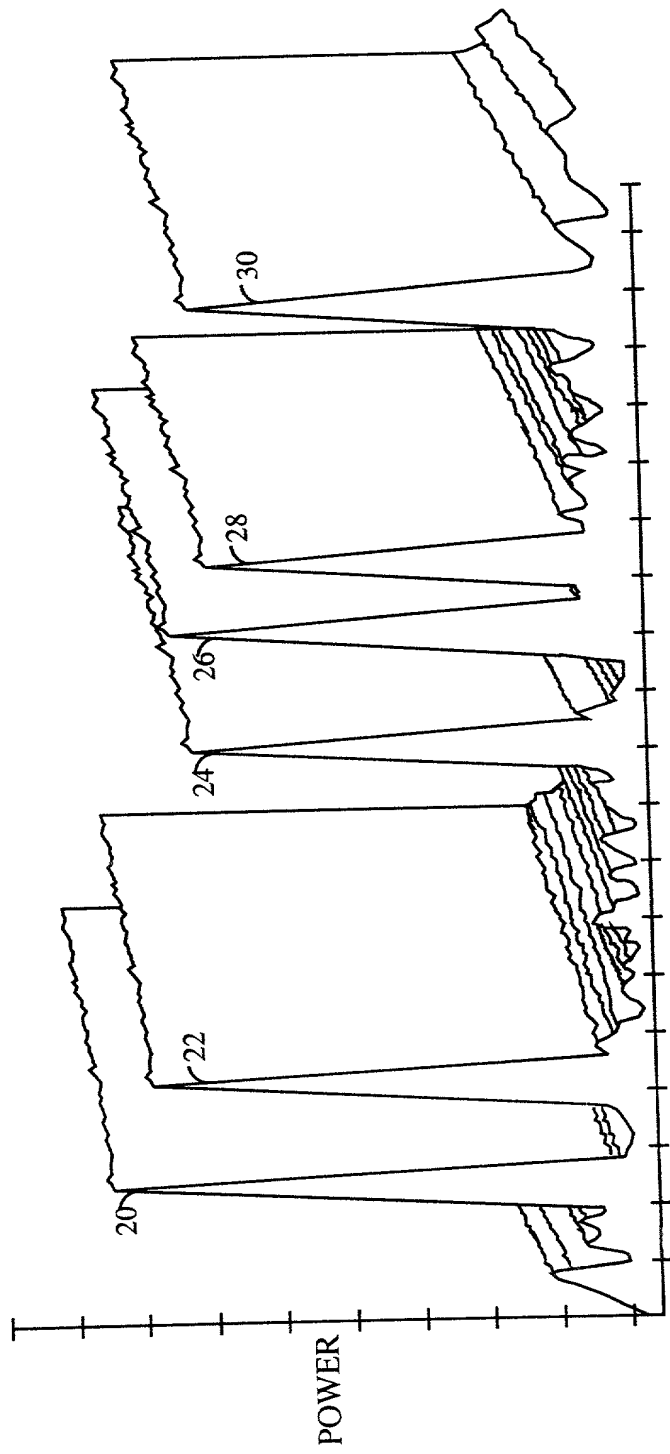
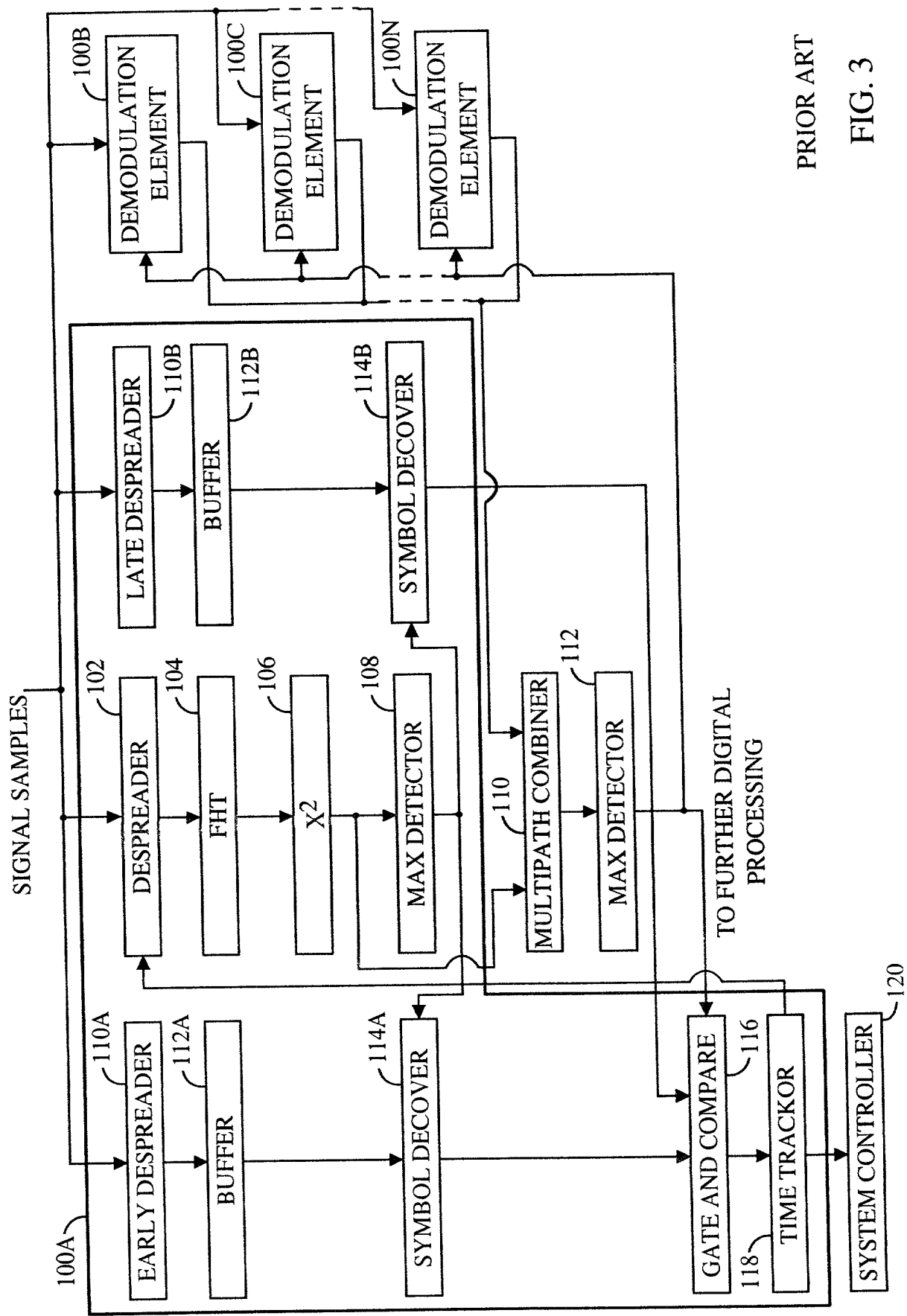
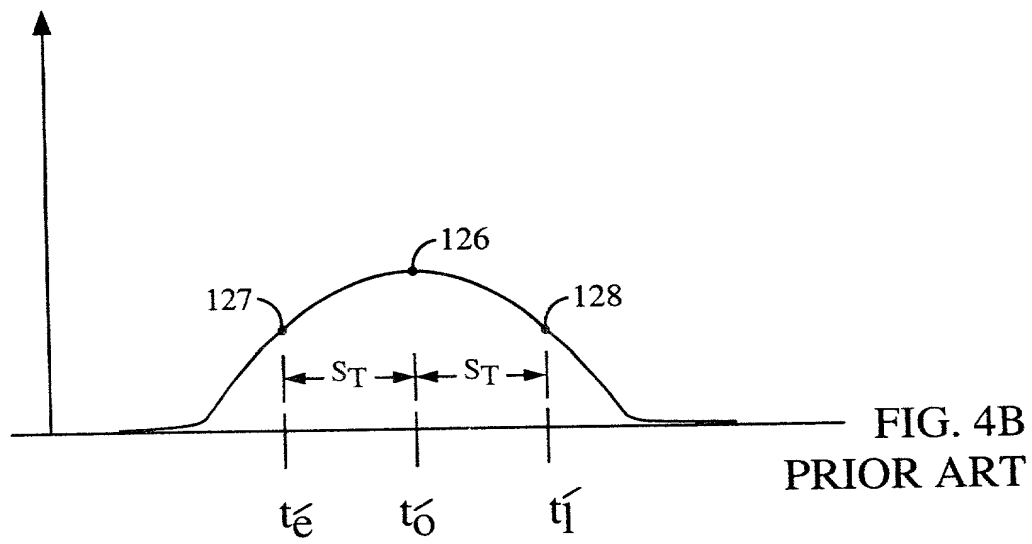
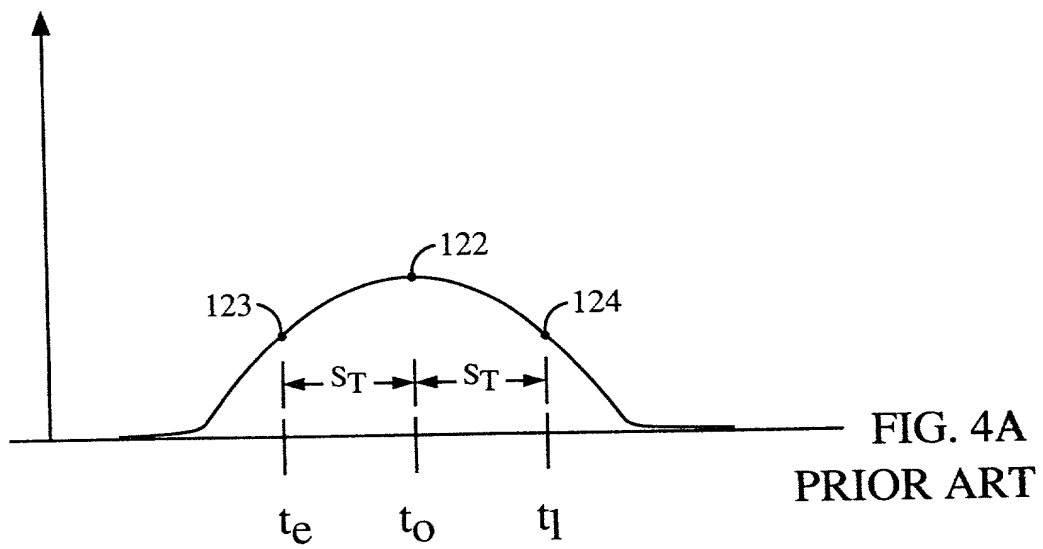


FIG. 2  
PRIOR ART



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FIG. 3



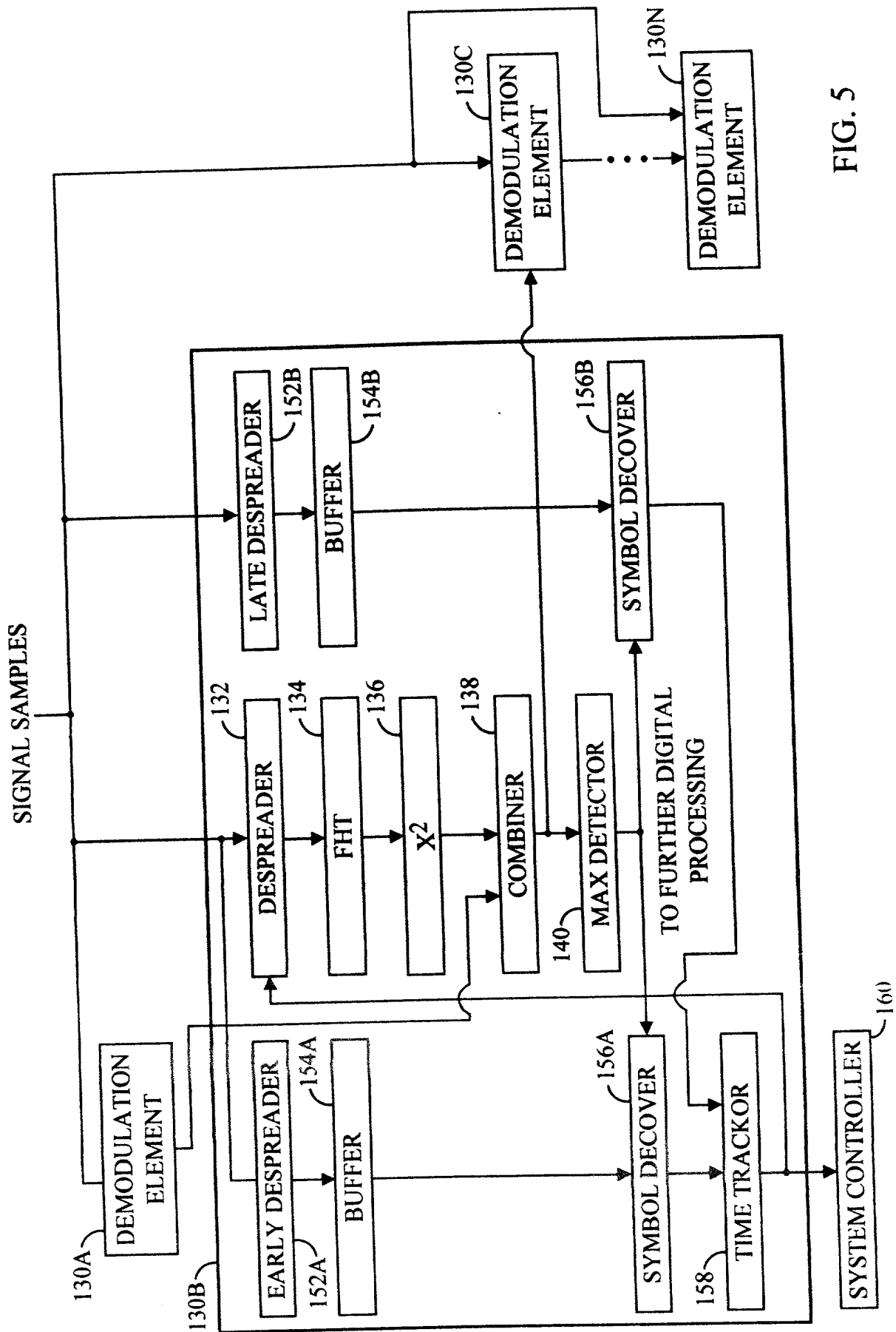


FIG. 5

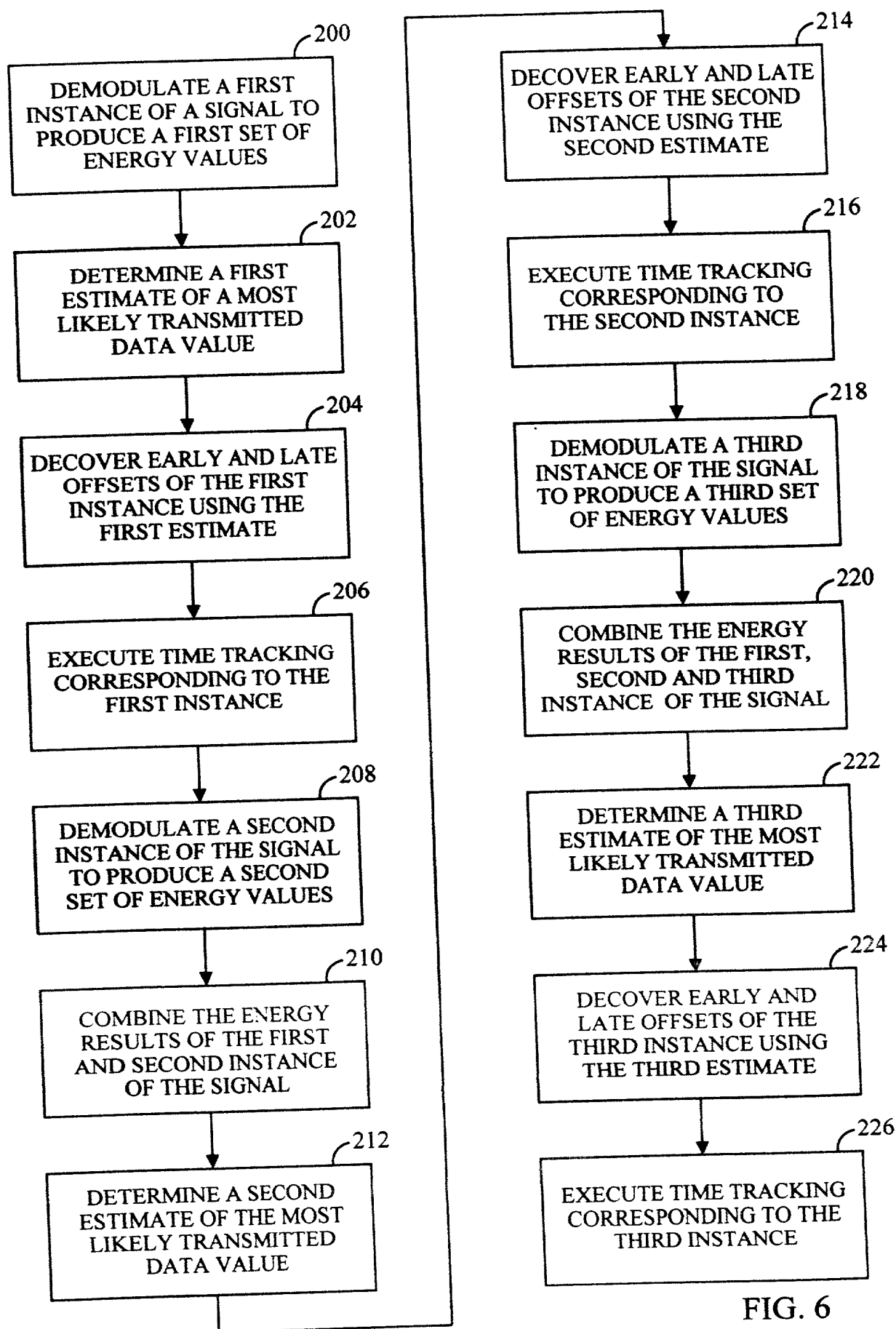


FIG. 6

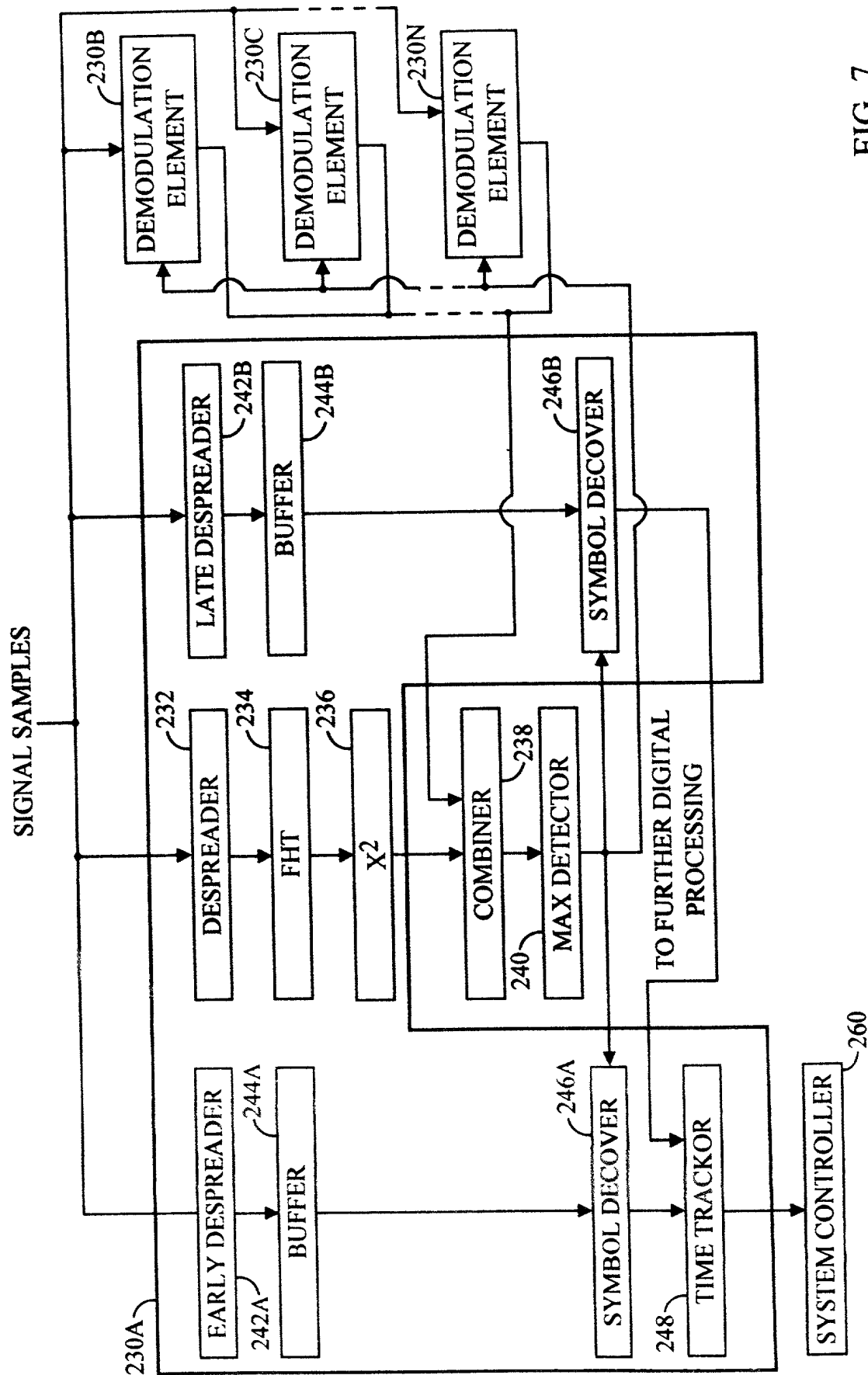


FIG. 7

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graph TD
    270[DEMODULATE A FIRST INSTANCE OF A SIGNAL TO PRODUCE A FIRST SET OF ENERGY VALUES] --> 272[DEMODULATE A SECOND INSTANCE OF THE SIGNAL TO PRODUCE A SECOND SET OF ENERGY VALUES]
    272 --> 274[DEMODULATE A THIRD INSTANCE OF THE SIGNAL TO PRODUCE A THIRD SET OF ENERGY VALUES]
    274 --> 276[COMBINE THE ENERGY RESULTS OF THE FIRST, SECOND AND THIRD INSTANCE OF THE SIGNAL]
    276 --> 278[DETERMINE AN ESTIMATE OF THE MOST LIKELY TRANSMITTED DATA VALUE]
    278 --> 280[DECOVER EARLY AND LATE OFFSETS OF THE FIRST INSTANCE USING THE ESTIMATE]
    280 --> 282[EXECUTE TIME TRACKING CORRESPONDING TO THE FIRST INSTANCE]
    282 --> 284[DECOVER EARLY AND LATE OFFSETS OF THE SECOND INSTANCE USING THE ESTIMATE]
    284 --> 286[EXECUTE TIME TRACKING CORRESPONDING TO THE SECOND INSTANCE]
    286 --> 288[DECOVER EARLY AND LATE OFFSETS OF THE THIRD INSTANCE USING THE ESTIMATE]
    288 --> 290[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRD INSTANCE]
    290 --> 292[DECOVER EARLY AND LATE OFFSETS OF THE FOURTH INSTANCE USING THE ESTIMATE]
    292 --> 294[EXECUTE TIME TRACKING CORRESPONDING TO THE FOURTH INSTANCE]
    294 --> 296[DECOVER EARLY AND LATE OFFSETS OF THE FIFTH INSTANCE USING THE ESTIMATE]
    296 --> 298[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTH INSTANCE]
    298 --> 300[DECOVER EARLY AND LATE OFFSETS OF THE SIXTH INSTANCE USING THE ESTIMATE]
    300 --> 302[EXECUTE TIME TRACKING CORRESPONDING TO THE SIXTH INSTANCE]
    302 --> 304[DECOVER EARLY AND LATE OFFSETS OF THE SEVENTH INSTANCE USING THE ESTIMATE]
    304 --> 306[EXECUTE TIME TRACKING CORRESPONDING TO THE SEVENTH INSTANCE]
    306 --> 308[DECOVER EARLY AND LATE OFFSETS OF THE EIGHTH INSTANCE USING THE ESTIMATE]
    308 --> 310[EXECUTE TIME TRACKING CORRESPONDING TO THE EIGHTH INSTANCE]
    310 --> 312[DECOVER EARLY AND LATE OFFSETS OF THE NINTH INSTANCE USING THE ESTIMATE]
    312 --> 314[EXECUTE TIME TRACKING CORRESPONDING TO THE NINTH INSTANCE]
    314 --> 316[DECOVER EARLY AND LATE OFFSETS OF THE TENTH INSTANCE USING THE ESTIMATE]
    316 --> 318[EXECUTE TIME TRACKING CORRESPONDING TO THE TENTH INSTANCE]
    318 --> 320[DECOVER EARLY AND LATE OFFSETS OF THE ELEVENTH INSTANCE USING THE ESTIMATE]
    320 --> 322[EXECUTE TIME TRACKING CORRESPONDING TO THE ELEVENTH INSTANCE]
    322 --> 324[DECOVER EARLY AND LATE OFFSETS OF THE TWELTH INSTANCE USING THE ESTIMATE]
    324 --> 326[EXECUTE TIME TRACKING CORRESPONDING TO THE TWELTH INSTANCE]
    326 --> 328[DECOVER EARLY AND LATE OFFSETS OF THE THIRTEENTH INSTANCE USING THE ESTIMATE]
    328 --> 330[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTEENTH INSTANCE]
    330 --> 332[DECOVER EARLY AND LATE OFFSETS OF THE FOURTEENTH INSTANCE USING THE ESTIMATE]
    332 --> 334[EXECUTE TIME TRACKING CORRESPONDING TO THE FOURTEENTH INSTANCE]
    334 --> 336[DECOVER EARLY AND LATE OFFSETS OF THE FIFTEENTH INSTANCE USING THE ESTIMATE]
    336 --> 338[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTEENTH INSTANCE]
    338 --> 340[DECOVER EARLY AND LATE OFFSETS OF THE SIXTEENTH INSTANCE USING THE ESTIMATE]
    340 --> 342[EXECUTE TIME TRACKING CORRESPONDING TO THE SIXTEENTH INSTANCE]
    342 --> 344[DECOVER EARLY AND LATE OFFSETS OF THE SEVENTEENTH INSTANCE USING THE ESTIMATE]
    344 --> 346[EXECUTE TIME TRACKING CORRESPONDING TO THE SEVENTEENTH INSTANCE]
    346 --> 348[DECOVER EARLY AND LATE OFFSETS OF THE EIGHTEENTH INSTANCE USING THE ESTIMATE]
    348 --> 350[EXECUTE TIME TRACKING CORRESPONDING TO THE EIGHTEENTH INSTANCE]
    350 --> 352[DECOVER EARLY AND LATE OFFSETS OF THE NINETEENTH INSTANCE USING THE ESTIMATE]
    352 --> 354[EXECUTE TIME TRACKING CORRESPONDING TO THE NINETEENTH INSTANCE]
    354 --> 356[DECOVER EARLY AND LATE OFFSETS OF THE TWENTIETH INSTANCE USING THE ESTIMATE]
    356 --> 358[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTIETH INSTANCE]
    358 --> 360[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY FIRST INSTANCE USING THE ESTIMATE]
    360 --> 362[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY FIRST INSTANCE]
    362 --> 364[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY SECOND INSTANCE USING THE ESTIMATE]
    364 --> 366[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY SECOND INSTANCE]
    366 --> 368[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY THIRD INSTANCE USING THE ESTIMATE]
    368 --> 370[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY THIRD INSTANCE]
    370 --> 372[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY FOURTH INSTANCE USING THE ESTIMATE]
    372 --> 374[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY FOURTH INSTANCE]
    374 --> 376[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY FIFTH INSTANCE USING THE ESTIMATE]
    376 --> 378[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY FIFTH INSTANCE]
    378 --> 380[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY SIXTH INSTANCE USING THE ESTIMATE]
    380 --> 382[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY SIXTH INSTANCE]
    382 --> 384[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY SEVENTH INSTANCE USING THE ESTIMATE]
    384 --> 386[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY SEVENTH INSTANCE]
    386 --> 388[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY EIGHTH INSTANCE USING THE ESTIMATE]
    388 --> 390[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY EIGHTH INSTANCE]
    390 --> 392[DECOVER EARLY AND LATE OFFSETS OF THE TWENTY NINTH INSTANCE USING THE ESTIMATE]
    392 --> 394[EXECUTE TIME TRACKING CORRESPONDING TO THE TWENTY NINTH INSTANCE]
    394 --> 396[DECOVER EARLY AND LATE OFFSETS OF THE THIRTIETH INSTANCE USING THE ESTIMATE]
    396 --> 398[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTIETH INSTANCE]
    398 --> 400[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY FIRST INSTANCE USING THE ESTIMATE]
    400 --> 402[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY FIRST INSTANCE]
    402 --> 404[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY SECOND INSTANCE USING THE ESTIMATE]
    404 --> 406[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY SECOND INSTANCE]
    406 --> 408[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY THIRD INSTANCE USING THE ESTIMATE]
    408 --> 410[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY THIRD INSTANCE]
    410 --> 412[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY FOURTH INSTANCE USING THE ESTIMATE]
    412 --> 414[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY FOURTH INSTANCE]
    414 --> 416[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY FIFTH INSTANCE USING THE ESTIMATE]
    416 --> 418[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY FIFTH INSTANCE]
    418 --> 420[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY SIXTH INSTANCE USING THE ESTIMATE]
    420 --> 422[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY SIXTH INSTANCE]
    422 --> 424[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY SEVENTH INSTANCE USING THE ESTIMATE]
    424 --> 426[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY SEVENTH INSTANCE]
    426 --> 428[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY EIGHTH INSTANCE USING THE ESTIMATE]
    428 --> 430[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY EIGHTH INSTANCE]
    430 --> 432[DECOVER EARLY AND LATE OFFSETS OF THE THIRTY NINTH INSTANCE USING THE ESTIMATE]
    432 --> 434[EXECUTE TIME TRACKING CORRESPONDING TO THE THIRTY NINTH INSTANCE]
    434 --> 436[DECOVER EARLY AND LATE OFFSETS OF THE FORTYTH INSTANCE USING THE ESTIMATE]
    436 --> 438[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTYTH INSTANCE]
    438 --> 440[DECOVER EARLY AND LATE OFFSETS OF THE FORTY FIRST INSTANCE USING THE ESTIMATE]
    440 --> 442[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY FIRST INSTANCE]
    442 --> 444[DECOVER EARLY AND LATE OFFSETS OF THE FORTY SECOND INSTANCE USING THE ESTIMATE]
    444 --> 446[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY SECOND INSTANCE]
    446 --> 448[DECOVER EARLY AND LATE OFFSETS OF THE FORTY THIRD INSTANCE USING THE ESTIMATE]
    448 --> 450[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY THIRD INSTANCE]
    450 --> 452[DECOVER EARLY AND LATE OFFSETS OF THE FORTY FOURTH INSTANCE USING THE ESTIMATE]
    452 --> 454[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY FOURTH INSTANCE]
    454 --> 456[DECOVER EARLY AND LATE OFFSETS OF THE FORTY FIFTH INSTANCE USING THE ESTIMATE]
    456 --> 458[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY FIFTH INSTANCE]
    458 --> 460[DECOVER EARLY AND LATE OFFSETS OF THE FORTY SIXTH INSTANCE USING THE ESTIMATE]
    460 --> 462[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY SIXTH INSTANCE]
    462 --> 464[DECOVER EARLY AND LATE OFFSETS OF THE FORTY SEVENTH INSTANCE USING THE ESTIMATE]
    464 --> 466[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY SEVENTH INSTANCE]
    466 --> 468[DECOVER EARLY AND LATE OFFSETS OF THE FORTY EIGHTH INSTANCE USING THE ESTIMATE]
    468 --> 470[EXECUTE TIME TRACKING CORRESPONDING TO THE FORTY EIGHTH INSTANCE]
    470 --> 472[DECOVER EARLY AND LATE OFFSETS OF THE FORTY NINTH INSTANCE USING THE ESTIMATE]
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    474 --> 476[DECOVER EARLY AND LATE OFFSETS OF THE FIFTYTH INSTANCE USING THE ESTIMATE]
    476 --> 478[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTYTH INSTANCE]
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    482 --> 484[DECOVER EARLY AND LATE OFFSETS OF THE FIFTY SECOND INSTANCE USING THE ESTIMATE]
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    486 --> 488[DECOVER EARLY AND LATE OFFSETS OF THE FIFTY THIRD INSTANCE USING THE ESTIMATE]
    488 --> 490[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTY THIRD INSTANCE]
    490 --> 492[DECOVER EARLY AND LATE OFFSETS OF THE FIFTY FOURTH INSTANCE USING THE ESTIMATE]
    492 --> 494[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTY FOURTH INSTANCE]
    494 --> 496[DECOVER EARLY AND LATE OFFSETS OF THE FIFTY FIFTH INSTANCE USING THE ESTIMATE]
    496 --> 498[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTY FIFTH INSTANCE]
    498 --> 500[DECOVER EARLY AND LATE OFFSETS OF THE FIFTY SIXTH INSTANCE USING THE ESTIMATE]
    500 --> 502[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTY SIXTH INSTANCE]
    502 --> 504[DECOVER EARLY AND LATE OFFSETS OF THE FIFTY SEVENTH INSTANCE USING THE ESTIMATE]
    504 --> 506[EXECUTE TIME TRACKING CORRESPONDING TO THE FIFTY SEVENTH INSTANCE]
    506 --> 508[DECOVER EARLY
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